AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 8 (Canceled)

9. (Original) A fuel reforming system, comprising:

a turbocharger having (i) a turbine with a reformate gas inlet, and (ii) a compressor with a pressurized air outlet, and

a fuel reformer having (i) an air inlet fluidly coupled to the pressurized air outlet of the compressor, and (ii) a reformate gas outlet fluidly coupled to the reformate gas inlet of the turbine.

10. (Original) The system of claim 9, wherein the turbocharger has a reformate gas outlet fluidly coupled to an intake of an internal combustion engine.

11. (Original) The system of claim 9, wherein the turbocharger has a reformate gas outlet fluidly coupled to an emission abatement device.

12. (Original) The system of claim 9, further comprising an electrical generator having an input coupled to an output of the turbine.

13. (Original) The system of claim 9, wherein the fuel reformer comprises a plasma fuel reformer.

14. (Original) A fuel reforming system, comprising:

an expander having a reformate gas inlet,

a compressor mechanically coupled to the expander, the compressor having a pressurized air outlet, and

a fuel reformer having (i) an air inlet fluidly coupled to the pressurized air outlet of the compressor, and (ii) a reformate gas outlet fluidly coupled to the reformate gas inlet of the expander.

15. (Original) The system of claim 14, wherein the expander has a reformate gas outlet fluidly coupled to an intake of an internal combustion engine.

16. (Original) The system of claim 14, wherein the expander has a reformate gas outlet fluidly coupled to an emission abatement device.

17. (Original) The system of claim 14, further comprising an electrical generator having an input mechanically coupled to an output of the expander.

18. (Original) The system of claim 14, wherein the fuel reformer comprises a plasma fuel reformer.

19. (Original) The system of claim 14, wherein the expander is selected from a group consisting of a turbine, a piston-type expander, a screw-type expander, a scroll-type expander, and a positive displacement novel geometry expander.